

ABSTRACT

Methods and systems for maintaining computer security are provided. The method for maintaining security of a computer system comprises determining an initial system certainty value for the computer system, providing access to a database of signatures, each signature
5 including a signature certainty value, receiving data, comparing the received data with the database of signatures, increasing the system certainty value if the received data does not match a signature in the database, decreasing the system certainty value if the received data matches a signature in the database and filtering the data based on the system certainty value and the signature certainty value of a signature matching the received data.

10